

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-026530**Date Inspected:** 15-Oct-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Jobsite**CWI Name:** As noted below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Douglas Frey was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

1. 10W PP88 W4 Lifting Lug Holes (Exterior)
2. 12W 13W Edge Plate "F" Welding (Exterior)
3. 12E 13E Edge Plate "F" Welding (Exterior)

1. 10W PP88 W4 Lifting Lug Holes (Exterior)

The QA Inspector performed Ultrasonic Testing on Lifting Lug Holes # 1 and 2 located at 10W PP88 W4 utilizing a G.E./Krautkramer USN 60. The QA Inspector also utilized the UT Procedure identified as SE-UT-D1. 5-CT-100 Rev.4 during the examination. Upon completion of the testing, it was noted by the QA Inspector that no indications were present and the work was found to be acceptable.

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2. 12W 13W Edge Plate “F” Welding (Exterior)

The QA inspector randomly observed ABF welding operator Fred Kaddu ID#2188 performing Shielded Metal Arc Welding (SMAW) on edge plate “F” at 12W 13W of the OBG. The QA inspector observed the QC inspector identified as William Sherwood monitoring the welding to ensure the welding parameters were in compliance pertaining to ABF-WPS-D15-1040 B. The QA inspector made subsequent observations throughout the shift to monitor quality and noted that the work is in progress and appears to be in general conformance to the contract requirements.

3. 12E 13E Edge Plate “F” Welding (Exterior)

The QA inspector randomly observed ABF welding operator Jorge Lopez ID#6149 performing Flux Core Arc Welding with Gas(FCAW-G) on edge plate “F” at 12E 13E of the OBG. The QA inspector observed the QC inspector identified as Fred Von Hoff monitoring the welding to ensure the welding parameters were in compliance pertaining to ABF-WPS-D15-3040 B-3. The QA inspector made subsequent observations throughout the shift to monitor quality and noted that the work is in progress and appears to be in general conformance to the contract requirements.

Note: The QAI reviewed the observations and inspection with QA Lead Inspector, Daniel Reyes, written in this report. No issues were noted by the QAI and the QA Lead Inspector concurs with the QA report.

Summary of Conversations:

At the beginning the shift the QA inspector met with QC inspector William Sherwood and discussed the welders assignments and locations for the shift to include pending issues, ongoing work and required testing.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy 510-385-5910 , who represents the Office of Structural Materials for your project.

Inspected By:	Frey,Doug	Quality Assurance Inspector
Reviewed By:	Levell,Bill	QA Reviewer
